GenCore version 4.5

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OM protein - protein search, using sw model

Run on: March 1, 2001, 15:49:34 ; Search time 140.11 Seconds
(without alignments)
8.843 Million cell updates/sec

Title: US-09-331-631A-3_COPY_117_185

Perfect score: 384

Sequence: 1 NRQRDPQQQYEQCQERCQRH.........EEQQREDEEKYEEERMKEEDN 69

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :   Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/2/iaa/6_COMB.pep:*
4: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
5: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Match Length	DB ID	Description
1	175	45.6	566	1	US-07-955-905A-2	Sequence 2, Appli
2	175	45.6	566	1	US-07-955-905A-22	Sequence 22, Appl
3	142.5	37.1	587	1	US-07-955-905A-23	Sequence 23, Appl
4	113	29.4	1898	1	US-08-056-200-94	Sequence 94, Appl
5	113	29.4	1898	2	US-08-800-644-94	Sequence 94, Appl
6	111	28.9	1162	2	US-08-728-323A-2	Sequence 2, Appli
7	90.5	23.6	740	1	US-08-257-073-5	Sequence 5, Appl
8	88.5	23.0	303	1	US-08-109-391A-2	Sequence 2, Appli
9	88.5	23.0	303	1	US-08-450-019A-2	Sequence 2, Appli
10	88.5	23.0	303	2	US-08-460-428A-2	Sequence 2, Appli
11	88.5	23.0	303	3	US-08-458-860A-2	Sequence 2, Appli
12	87.5	22.8	905	2	US-08-574-959A-9	Sequence 9, Appl
13	87.5	22.8	1135	2	US-08-574-959A-7	Sequence 7, Appl
14	87	22.7	432	2	US-08-933-750C-47	Sequence 47, Appl
15	87	22.7	432	3	US-09-234-613-47	Sequence 47, Appl
16	86	22.4	344	5	US-07-955-905A-24	Patent No. 521018
17	86	22.4	683	5	US-07-955-905A-24	Patent No. 521018
18	84.5	22.0	186	2	US-08-557-309B-43	Sequence 43, Appl
19	84.5	22.0	186	2	US-08-834-306-43	Sequence 43, Appl
20	83.5	21.7	605	1	US-07-955-905A-24	Sequence 24, Appl
21	79.5	20.7	288	2	US-08-961-858-6	Sequence 6, Appl
22	79.5	20.7	288	1	US-08-089-593-6	Sequence 6, Appl
23	79.5	20.7	288	3	US-08-950-925-4	Sequence 4, Appli
24	77.5	20.2	312	1	US-08-285-440-4	Sequence 4, Appli
25	77.5	20.2	312	1	US-08-630-349-4	Sequence 4, Appli
26	77.5	20.2	532	1	US-08-285-440-5	Sequence 5, Appli
27	77.5	20.2	532	1	US-08-630-349-5	Sequence 5, Appl
28	77.5	20.2	558	1	US-08-285-440-6	Sequence 6, Appli
29	77.5	20.2	558	1	US-08-630-349-6	Sequence 6, Appli
30	77.5	20.2	788	1	US-08-918-914-4	Sequence 4, Appli
31	77	20.1	357	1	US-08-612-986-5	Sequence 5, Appli
32	77	20.1	357	1	US-08-361-806A-5	Sequence 5, Appli
33	77	20.1	357	4	PCT-US95-16806A-5	Sequence 5, Appli
34	76.5	19.9	571	1	US-07-955-905A-25	Sequence 25, Appl
35	76	19.8	376	4	PCT-US95-03236-21	Sequence 21, Appl
36	76	19.8	614	5	5180810-1	Patent No. 5180810
37	74	19.3	83	1	US-08-253-155A-38	Sequence 38, Appl
38	74	19.3	360	1	US-08-531-927B-2	Sequence 2, Appli
39	74	19.3	450	1	US-08-666-067-2	Sequence 2, Appli
40	74	19.3	450	2	US-08-732-870-2	Sequence 2, Appli
41	74	19.3	450	2	US-08-568-459A-10	Sequence 10, Appli
42	74	19.3	700	2	US-08-487-826B-10	Sequence 10, Appli
43	74	19.3	700	2	US-08-487-826B-16	Sequence 16, Appl
44	73.5	19.1	2182	2	US-08-592-126-148	Sequence 148, App

ALIGNMENTS

RESULT 1
US-07-955-905A-2
; Sequence 2, Application US/0795905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 kD COCOA PROTEINS AND
; TITLE OF INVENTION: PRECURSOR
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/955,905A
; FILING DATE: 21-JAN-1993
; CLASSIFICATION: 435
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 566 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-955-905A-2

Query Match   45.6%;   Score 175;   DB 1;   Length 566;
Best Local Similarity   32.4%;
Matches   33;   Conservative   19;   Mismatches   14;   Indels   36;   Gaps   2;

Qy   3 QRDPQQQYEQCQERCQRHETEPRHMQTCQQRCERRYEKEKRKQQ------------- 46
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Db   35 ERDPRQQYEQCQRRCESEATEEREQEBQCEQRCEREYKEQRQQEELQRQYQCQGRCQE 94

Qy   47 ---KRYEEQQREDEEKY-----EERMKEED 68
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RESULT 2
US-07-955-905A-22
; Sequence 22, Application US/0795905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 kD COCOA PROTEINS AND
; TITLE OF INVENTION: PRECURSOR
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

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         COMPUTER: IBM PC compatible
         OPERATING SYSTEM: PC-DOS/MS-DOS
         SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
       CURRENT APPLICATION DATA:
         APPLICATION NUMBER: US/07/955,905A
         FILING DATE: 21-JAN-1993
         CLASSIFICATION: 435
  INFORMATION FOR SEQ ID NO: 22:
       SEQUENCE CHARACTERISTICS:
         LENGTH: 566 amino acids
         TYPE: amino acid
         TOPOLOGY: linear
       MOLECULE TYPE: protein
       ORIGINAL SOURCE:
         ORGANISM: Theobroma cacao
       FEATURE:
         NAME/KEY: Protein
         LOCATION: 1..566
         OTHER INFORMATION: /note= "67 kd Precursor Protein"
  US-07-955-905A-22
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Qy     47  ------------KRYEQQQREDEEKY-----EERMKEED  68
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US-07-955-905A-23
Sequence 23, Application US/0795905A
Patent No. 5770433
       GENERAL INFORMATION:
       APPLICANT:
       TITLE OF INVENTION: RECOMBINANT 47 AND 31 kD COCOA PROTEINS AND
       NUMBER OF SEQUENCES: 28
       COMPUTER READABLE FORM:
         MEDIUM TYPE: Floppy disk
         COMPUTER: IBM PC compatible
         OPERATING SYSTEM: PC-DOS/MS-DOS
         SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
       CURRENT APPLICATION DATA:
         APPLICATION NUMBER: US/07/955,905A
         FILING DATE: 21-JAN-1993
         CLASSIFICATION: 435
  INFORMATION FOR SEQ ID NO: 23:
       SEQUENCE CHARACTERISTICS:
         LENGTH: 587 amino acids
         TYPE: amino acid
         TOPOLOGY: linear
       MOLECULE TYPE: protein
       ORIGINAL SOURCE:
         ORGANISM: Gossypium hirsutum
       FEATURE:
         NAME/KEY: Protein
         LOCATION: 1..587
         OTHER INFORMATION: /note= "Vicilin from G. hirsutum"
  US-07-955-905A-23
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Query Match                45.6%;  Score 175;  DB 1;  Length 566;
Best Local Similarity       32.4%;  Pred. No. 7e-10;
Matches  33;  Conservative  19;  Mismatches  14;  Indels  36;  Gaps  2;
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Query Match                37.1%;  Score 142.5;  DB 1;  Length 587;
Best Local Similarity       31.5%;  Pred. No. 9.9e-07;
Matches  28;  Conservative  23;  Mismatches  15;  Indels  23;  Gaps  3;
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Db    135  QRPERKQQCVAECRERYQENPWRREREEE  163
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RESULT 4
US-08-056-200-94
Sequence 94, Application US/08056200
Patent No. 5616500
       GENERAL INFORMATION:
       APPLICANT: Steinert, Peter M.
       APPLICANT: Lee, Seung-Chul
       APPLICANT: Kim, In-Gyu
       APPLICANT: Chung, Soo-Il
       APPLICANT: Park, Sang-Chul
       TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
       TITLE OF INVENTION: Mehods of Using Same
       NUMBER OF SEQUENCES: 117
       CORRESPONDENCE ADDRESS:
         ADDRESSEE: Knobbe, Martens, Olson & Bear
         STREET: 620 Newport Center Drive, Sixteenth Floor
         CITY: Newport Beach
         STATE: CA
         COUNTRY: U.S.A.
         ZIP: 92660
       COMPUTER READABLE FORM:
         MEDIUM TYPE: Floppy disk
         COMPUTER: IBM PC compatible
         OPERATING SYSTEM: PC-DOS/MS-DOS
         SOFTWARE: Patentin Release #1.0, Version #1.25
       CURRENT APPLICATION DATA:
         APPLICATION NUMBER: US/08/056,200
         FILING DATE: 30-APR-1993
         CLASSIFICATION: 435
       ATTORNEY/AGENT INFORMATION:
         NAME: Fedrick, Michael F.
         REGISTRATION NUMBER: 36,799
         REFERENCE/DOCKET NUMBER: NIH054.001A
       TELECOMMUNICATION INFORMATION:
         TELEPHONE: (714) 760-0404
         TELEFAX: (714) 760-9502
  INFORMATION FOR SEQ ID NO: 94:
       SEQUENCE CHARACTERISTICS:
         LENGTH: 1898 amino acids
         TYPE: amino acid
         TOPOLOGY: linear
       MOLECULE TYPE: protein
  US-08-056-200-94
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Query Match                29.4%;  Score 113;  DB 1;  Length 1898;
Best Local Similarity       33.3%;  Pred. No. 0.0022;
Matches  25;  Conservative  22;  Mismatches  20;  Indels  8;  Gaps  2;
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Db    468  REQEERDWLKREEETERHEQERRKQQLKRDQEEEREERWLKLEEEERREQQERREQLR  527

Qy     54  REDEEKYEERMKEED  68
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Db    528  REQEERREQRLKRQE  542
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RESULT 5
US-08-800-644-94
Sequence 94, Application US/08800644
Patent No. 5958752
       GENERAL INFORMATION:
       APPLICANT: Steinert, Peter M.
       APPLICANT: Lee, Seung-Chul
```

APPLICANT: Kim, In-Gyu
APPLICANT: Chung, Soo-Il
APPLICANT: Park, Sang-Chul
TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
TITLE OF INVENTION: Methods of Using Same
NUMBER OF SEQUENCES: 117
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive, Sixteenth Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/800,644
FILING DATE: 14-FEB-1997
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/056,200
FILING DATE: 30-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Fedrick, Michael F.
REGISTRATION NUMBER: 36,799
REFERENCE/DOCKET NUMBER: NIH054.001A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (714) 760-0404
TELEFAX: (714) 760-9502
INFORMATION FOR SEQ ID NO: 94:
SEQUENCE CHARACTERISTICS:
LENGTH: 1898 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-800-644-94

Query Match   29.4%;   Score 113; DB 2;   Length 1898;
Best Local Similarity   33.3%;   Pred. No. 0.0022;
Matches   25; Conservative   22; Mismatches   20; Indels   8; Gaps   2;

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Db  468  RQEQEERRDWLKREEETERHEQEERRKQQLKRDQEEERRERWLKLEEEERREQQERREQQLR  527

Qy   54  REDEEKYEERMKEED   68
         ||:|||:|:|:|:::
Db  528  REQEERREQRLKRQE  542
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RESULT 6
US-08-728-323A-2
Sequence 2, Application US/08728323A
Patent No. 5948676
GENERAL INFORMATION:
APPLICANT: Chang, Yuan
APPLICANT: Bohenzky, Roy A.
APPLICANT: Russo, James J.
APPLICANT: Edelman, Isidore S.
APPLICANT: Moore, Patrick S.
TITLE OF INVENTION: Immediate Early Protein From Kaposi's
TITLE OF INVENTION: Sarcoma-Associated Herpesvirus, DNA
TITLE OF INVENTION: Encoding Same And Uses Thereof
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/728,323A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 0575/52268/JPW/MSC/SKS
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
TELEFAX: 212-391-0525
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1162 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-728-323A-2

Query Match   28.9%;   Score 111; DB 2;   Length 1162;
Best Local Similarity   31.3%;   Pred. No. 0.0021;
Matches   21; Conservative   26; Mismatches   20; Indels   0; Gaps   0;

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Qy   62  ERMKEED   68
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Db  740  EQQQQDE  746
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RESULT 7
US-08-257-073-5
Sequence 5, Application US/08257073
Patent No. 5766597
GENERAL INFORMATION:
APPLICANT: Paoletti, Enzo
APPLICANT: de Taisne, Charles
APPLICANT: Tine, John A.
TITLE OF INVENTION: MALARIA RECOMBINANT POXVIRUS VACCINE
NUMBER OF SEQUENCES: 143
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue, 25th Floor
CITY: New York
STATE: New York
COUNTRY: UNITED STATES OF AMERICA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/257,073
FILING DATE: 09-JUN-1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/075,783
FILING DATE: 11-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/852,305
FILING DATE: 18-MAR-1992
PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/672,183
; FILING DATE: 20-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Frommer, William S.
; REGISTRATION NUMBER: 25,506
; REFERENCE/DOCKET NUMBER: 454310-2570
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 840-3333
; TELEFAX: (212) 840-0712
; TELEX: 425066 CURFMS
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 740 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-257-073-5

Query Match
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Matches 22; Conservative 18; Mismatches 21; Indels 9; Gaps 2;

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Qy  58  EKYEERMKEE  67
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RESULT 8
US-08-109-391A-2
Sequence 2, Application US/08109391A
Patent No. 5639876
; GENERAL INFORMATION:
; APPLICANT: Tripp, Cynthia A.
; APPLICANT: Frank, Glenn R.
; APPLICANT: Grieve, Robert B.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING NOVEL
; TITLE OF INVENTION: PARASITIC HELMINTH PROTEINS
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheridan Ross & McIntosh
; STREET: 1700 Lincoln St., Suite 3500
; CITY: Denver
; STATE: CO
; ZIP: 80203
; COUNTRY: U.S.A.
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/109,391A
; FILING DATE: 19-AUG-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Connell, Gary J.
; REGISTRATION NUMBER: 32,020
; REFERENCE/DOCKET NUMBER: 2618-13
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 303/863-9700
; TELEFAX: 303/863-0223
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 303 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

; MOLECULE TYPE: protein

RESULT 9
US-08-459-019A-2
Sequence 2, Application US/08459019A
Patent No. 5686080
; GENERAL INFORMATION:
; APPLICANT: Tripp, Cynthia A.
; APPLICANT: Frank, Glenn R.
; APPLICANT: Grieve, Robert. B.
; TITLE OF INVENTION: NOVEL PARASITIC HELMINTH P4 PROTEINS
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheridan Ross & McIntosh
; STREET: 1700 Lincoln Street, #3500
; CITY: Denver
; STATE: CO
; ZIP: 80203
; COUNTRY: U.S.A.
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,019A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Connell, Gary J.
; REGISTRATION NUMBER: 33,020
; REFERENCE/DOCKET NUMBER: 2618-13-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (303) 863-9700
; TELEFAX: (303) 863-0223
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 303 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

Query Match
US-08-109-391A-2
Best Local Similarity 23.0%; Score 88.5; DB 1; Length 303;
Matches 17; Conservative 25; Mismatches 20; Indels 7; Gaps 2;

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Qy  60  YEERMKEED  68
Db 287  IRQEYDEKE 295
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Query Match
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Matches 17; Conservative 25; Mismatches 20; Indels 7; Gaps 2;

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Qy  60  YEERMKEED  68
Db 287  IRQEYDEKE 295
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RESULT 10

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US-08-460-428A-2
; Sequence 2, Application US/08460428A
; Patent No. 5912337
; GENERAL INFORMATION:
; APPLICANT: Tripp, Cynthia A.
; APPLICANT: Frank, Glenn R.
; APPLICANT: Grieve, Robert B.
; TITLE OF INVENTION: NOVEL PARASITIC HELMINTH
; TITLE OF INVENTION: P2U PROTEINS
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheridan Ross P.C.
; STREET: 1700 Lincoln St., Suite 3500
; CITY: Denver
; STATE: CO
; COUNTRY: U.S.A.
; ZIP: 80203
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/460,428A
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Connell, Gary J.
; REGISTRATION NUMBER: 32,020
; REFERENCE/DOCKET NUMBER: 2618-13-3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 303/863-9700
; TELEFAX: 303/863-0223
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 303 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-460-428A-2
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Query Match      23.08;  Score 88.5;  DB 2;  Length 303;
Best Local Similarity    24.6%;  Pred. No. 0.082;
Matches   17;  Conservative   25;  Mismatches  20;  Indels   7;  Gaps   2;

Qy     7 QQQYEQCQE----RCQRHETEPR---HMQTCQQRCERRYEKEKRKQQKRYEEQQREDEEK   59
           ::|:|:|::|  :|::|:| |:|    |:|:::|||||:::|:|||:|||:|:|:|:| :::
Db   227 EQKYDQVKEDKERRMQEEEEQERLRYEYEEQIQEKLRQEEREREREQEERRQKERERMEQER 286

Qy    60 YEERMKEED  68
           |:::
Db   287 IRQEYDEKE  295
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```
RESULT 11
US-08-458-860A-2
; Sequence 2, Application US/08458860A
; Patent No. 6100390
; GENERAL INFORMATION:
; APPLICANT: Frank, Glenn R.
; APPLICANT: Tripp, Cynthia A.
; APPLICANT: Grieve, Robert B.
; TITLE OF INVENTION: NOVEL PARASITIC HELMINTH
; TITLE OF INVENTION: P2U NUCLEIC ACID MOLECULES
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheridan Ross P.C.
; STREET: 1700 Lincoln St., Suite 3500
; CITY: Denver
; STATE: CO
; COUNTRY: U.S.A.
; ZIP: 80203
```

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/458,860A
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Connell, Gary J.
; REGISTRATION NUMBER: 32,020
; REFERENCE/DOCKET NUMBER: 2618-13-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 303/863-9700
; TELEFAX: 303/863-0223
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 303 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein,
US-08-458-860A-2
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Query Match      23.08;  Score 88.5;  DB 3;  Length 303;
Best Local Similarity    24.6%;  Pred. No. 0.082;
Matches   17;  Conservative   25;  Mismatches  20;  Indels   7;  Gaps   2;

Qy     7 QQQYEQCQE----RCQRHETEPR---HMQTCQQRCERRYEKEKRKQQKRYEEQQREDEEK   59
           ::|:|:|::|  :|::|:| |:|    |:|:::|||||:::|:|||:|||:|:|:|:| :::
Db   227 EQKYDQVKEDKERRMQEEEEQERLRYEYEEQIQEKLRQEEREREREQEERRQKERERMEQER 286

Qy    60 YEERMKEED  68
           |:::
Db   287 IRQEYDEKE  295
```

```
RESULT 12
US-08-574-959A-9
; Sequence 9, Application US/08574959A
; Patent No. 5962224
; GENERAL INFORMATION:
; APPLICANT: Jaekyoon Shin, Insil Joung, Ratna K. Vadlamudi
; APPLICANT: and Jack L. Strominger
; TITLE OF INVENTION: p62 POLYPEPTIDES, RELATED POLYPEPTIDES
; TITLE OF INVENTION: AND USES THEREFOR
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/574,959A
; FILING DATE: 19-DEC-95
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: DFN-008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 905 amino acids
```

;   TYPE: amino acid
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
US-08-574-959A-9

Query Match   22.8%; Score 87.5; DB 2; Length 905;
Best Local Similarity   25.0%; Pred. No. 0.3;
Matches 17; Conservative 23; Mismatches 27; Indels 1; Gaps 1;

Qy   1 NRQRDPQQQYEQCQERCQRHETEPRIHMQTCQQRCERRYEKRKQQKRYEQQREDEEKY 60
             :::|:|:||:   .: .. :..| . | :|| :|||| ||:::..|::|:|
Db   648 NINSSDEEEEGEGEGEEEEGEEEEDEEYFEEEE EEEEEEDEEEYFEEEE-EEEEEF 706

Qy   61 EERMKEED 68
          ||:|:||
Db   707 EEEFEEEE 714

RESULT 13
US-08-574-959A-7
Sequence 7, Application US/0857495959A
Patent No. 5962224
GENERAL INFORMATION:
APPLICANT: Jaekyoon Shin, Insil Joung, Ratna K. Vadlamudi
APPLICANT: and Jack L. Strominger
TITLE OF INVENTION: p62 POLYPEPTIDES, RELATED POLYPEPTIDES
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, Suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/574,959A
FILING DATE: 19-DEC-95
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E.
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: DFN-008
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1135 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-574-959A-7

Query Match   22.8%; Score 87.5; DB 2; Length 1135;
Best Local Similarity   25.0%; Pred. No. 0.38;
Matches 17; Conservative 23; Mismatches 27; Indels 1; Gaps 1;

Qy   1 NRQRDPQQQYEQCQERCQRHETEPRIHMQTCQQRCERRYEKRKQQKRYEQQREDEEKY 60
             :::|:|:||:   .: .. :..| . | :|| :|||| ||:::..|::|:|
Db   878 NINSSDEEEEGEGEGEEEEGEEEEDEEYFEEEE-EEEEEF 936

Qy   61 EERMKEED 68
          ||:|:||
Db   937 EEEFEEEE 944

RESULT 14
US-08-933-750C-47
Sequence 47, Application US/0893750C
Patent No. 5932442
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
APPLICANT: Bandman, Olga
APPLICANT: Shah, Purvi
APPLICANT: Au-Young, Janice
APPLICANT: Yue, Henry
APPLICANT: Guegler, Karl J.
APPLICANT: Corley, Neil C.
TITLE OF INVENTION: HUMAN REGULATORY MOLECULES
NUMBER OF SEQUENCES: 98
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/933,750C
FILING DATE: September 23, 1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
APPLICATION NUMBER:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0356 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 47:
SEQUENCE CHARACTERISTICS:
LENGTH: 432 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: TLYMNOT04
CLONE: 2926777
US-08-933-750C-47

Query Match   22.7%; Score 87; DB 2; Length 432;
Best Local Similarity   29.3%; Pred. No. 0.16;
Matches 17; Conservative 19; Mismatches 14; Indels 8; Gaps 1;

Qy   11 EQCQERCQRHETEPRIHMQTCQQRCERRYEKRKQQKRYEQQREDEEKYEERMKEED 68
          |:.:|. .: :|: .::.||.:|:.::|::|||.:| ||.:.|:.|::|| .||:
Db   228 EELKEKLRKRTEEPDR------DERLKKEKQEREREKEREREERERKRREEE 277

RESULT 15
US-09-234-613-47
Sequence 47, Application US/09234613
Patent No. 6132973
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
APPLICANT: Bandman, Olga
APPLICANT: Shah, Purvi
APPLICANT: Au-Young, Janice

~ ; APPLICANT: Yue, Henry
~ ; APPLICANT: Guegler, Karl J.
~ ; APPLICANT: Corley, Neil C.
~ ; TITLE OF INVENTION: HUMAN REGULATORY MOLECULES
~ ; NUMBER OF SEQUENCES: 98
~ ; CORRESPONDENCE ADDRESS:
~ ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
~ ; STREET: 3174 Porter Drive
~ ; CITY: Palo Alto
~ ; STATE: CA
~ ; COUNTRY: USA
~ ; ZIP: 94304
~ ; COMPUTER READABLE FORM:
~ ; MEDIUM TYPE: Diskette
~ ; COMPUTER: IBM Compatible
~ ; OPERATING SYSTEM: DOS
~ ; SOFTWARE: FastSEQ for Windows Version 2.0
~ ; CURRENT APPLICATION DATA:
~ ; APPLICATION NUMBER: US/09/234,613
~ ; FILING DATE:
~ ; CLASSIFICATION:
~ ; PRIOR APPLICATION DATA:
~ ; APPLICATION NUMBER: US/08/933,750
~ ; FILING DATE: September 23, 1997
~ ; ATTORNEY/AGENT INFORMATION:
~ ; NAME: Billings, Lucy J.
~ ; REGISTRATION NUMBER: 36,749
~ ; REFERENCE/DOCKET NUMBER: PF-0356 US
~ ; TELECOMMUNICATION INFORMATION:
~ ; TELEPHONE: 415-855-0555
~ ; TELEFAX: 415-845-4166
~ ; TELEX:
~ ; INFORMATION FOR SEQ ID NO: 47:
~ ; SEQUENCE CHARACTERISTICS:
~ ; LENGTH: 432 amino acids
~ ; TYPE: amino acid
~ ; STRANDEDNESS: single
~ ; TOPOLOGY: linear
~ ; IMMEDIATE SOURCE:
~ ; LIBRARY: TLYMNOT04
~ ; CLONE: 2926777
US-09-234-613-47

Query Match
Best Local Similarity   22.7%;   Score 87;   DB 3;   Length 432;
Matches 17;   Conservative 19;   Mismatches 14;   Indels 8;   Gaps 1;

Qy   11 EQCQERCQRHETEPRHMQTCQQRCERRYEKEKRKQQKRYEQQREDEEKYEERMKEED 68
           |:|:|::: | | | :|||||||:::|:| ||::|| :| | |||:
Db   228 EELKEKLRKTEEPDR------DERLKKEKQEREEEREKEREREEEERRKRRBEEE 277

Search completed: March 1, 2001, 15:49:35
Job time: 380 sec